



Sheet 1 of 1

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	ATTORNEY DOCKET NO.	APPLICATION NO.
	1761.1090	10/579,567
	FIRST NAMED INVENTOR	
	Naoki NAKAGAWA et al.	
	FILING DATE	GROUP/ART UNIT
	May 17, 2006	3745

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NO.	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	AA	4,929,098	05/29/1990	Takata et al.			
	AB						
	AC						
	AD						
	AE						
	AF						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NO.	DATE	COUNTRY	TRANSLATION YES NO		ABSTRACT
	AG	10-184677	07/14/1998	Japan		X	X
	AH	2004-019731	01/22/2004	Japan		X	X
	AI	2002-147449	05/22/2002	Japan		X	X
	AJ	2003-130057	05/08/2003	Japan		X	X
	AK	01-224523	09/07/1989	Japan		X	X
	AL						

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

						TRANSLATION YES NO	
	AM						

EXAMINER	DATE CONSIDERED
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

**ATTACHMENT 1(e)****EXPLANATIONS OF RELEVANCY
OF REFERENCES**

ATTORNEY DOCKET NO.	APPLICATION NO.
1761.1090	10/579,567
FIRST NAMED INVENTOR	
Naoki NAKAGAWA et al.	
FILING DATE	GROUP ART UNIT
May 17, 2006	3745

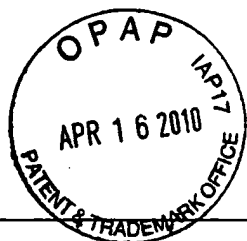
*Please note that reference (AA) corresponds to reference (AK).

*Please note that reference JP 2004-011737A was also cited in the English Translation of the International Preliminary Report on Patentability issued March 27, 2007 and was submitted in a previous Information Disclosure Statement filed May 17, 2006.

*Please note that reference JP 2004-245251 A was also cited in the English Translation of the International Preliminary Report on Patentability issued March 27, 2007 and was submitted in a previous Information Disclosure Statement filed February 1, 2008.

* Please note that reference JP 2000-356218 A was also cited in the English Translation of the International Preliminary Report on Patentability issued March 27, 2007 and was submitted in a previous Information Disclosure Statement filed October 23, 2007.

* Please note that reference JP 61-171917 A was also cited in the English Translation of the International Preliminary Report on Patentability issued March 27, 2007 and was submitted in a previous Information Disclosure Statement filed July 23, 2007.

**ATTACHMENT 1(f)****LIST OF COPENDING APPLICATIONS**

ATTORNEY DOCKET NO.

APPLICATION NO.

1761.1090

10/579,567

FIRST NAMED INVENTOR

Naoki NAKAGAWA et al.

FILING DATE

GROUP ART UNIT

May 17, 2006

3745

The following, prior-filed, copending U.S. patent application(s) is/are listed in accordance with the duty of disclosure provisions of 37 CFR § 1.56, so that the Examiner may consider same should he deem any thereof to be material to examination of the subject application. Pursuant to 37 CFR § 1.98(a)(2)(iii), a copy of the identified copending application(s) is provided, UNLESS DOMESTIC PRIORITY IS CLAIMED THEREON UNDER 35 U.S.C. § 120 AND/OR THE APPLICATION IS PUBLISHED. 37 CFR § 1.98(a)(2)(II),(III) AND 1.98(3)(d)(1).

It is requested that the Examiner acknowledge his consideration of application(s) below-listed by initialling same in the space provided adjacent each such application and that the Examiner sign and date this form at the bottom thereof to confirm such consideration having been given.

This submission in no way represents an admission that any of the information listed herein constitutes prior art with respect to the subject application; and unless and until such prior art status is established, this submission is not a request that the information presented herein be printed on the face of any patent issuing from the subject application in which this information is being filed.

U.S. PATENT APPLICATION DOCUMENTS

*EXAMINER INITIAL		U.S. SERIAL NO.	FILING DATE	NAME	ASSIGNEE
	1	11/663,162	3-19-2007	Nobuyuki Mori	NTN Corporation
	2				
	3				
	4				
	5				
	6				
	7				
	8				

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if document considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

**ATTACHMENT 1(g)**

LIST OF ADDITIONAL SUBMITTED DOCUMENTS	ATTORNEY DOCKET NO.	APPLICATION NO.
	1761.1090	10/579,567
	FIRST NAMED INVENTOR	
	Naoki NAKAGAWA et al.	
	FILING DATE	GROUP ART UNIT
	May 17, 2006	3745

The following document(s) is/are listed in accordance with the duty of disclosure provisions of 37 CFR § 1.56, so that the Examiner may consider same should he deem any thereof to be material to examination of the subject application.

It is requested that the Examiner acknowledge his consideration of document(s) below-listed by initialling same in the space provided adjacent each such application and that the Examiner sign and date this form at the bottom thereof to confirm such consideration having been given.

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U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NO.	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	BA						
	BB						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUB- CLASS	<u>TRANSLATION</u> YES NO	
	BC							
	BD							

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

							<u>TRANSLATION</u> YES NO	
	BE	English Translation of the International Preliminary Report on Patentability issued March 27, 2007 related to U.S. patent application no. 11/663,162.					X	

EXAMINER	DATE CONSIDERED
*EXAMINER: Initial if document considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	